BRAIN RESEARCH
MOLECULAR BRAIN RESEARCH

VOL. 82 NOS. 1,2 **CONTENTS** **20 OCTOBER 2000**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Guidelines for the submission of manuscripts v

Themes and Topics ix

Announcements

Call for papers – Gene Expression Patterns xi

Electronic submission of all article types via the WWW now possible xii

Brain Research Interactive Young Investigator Awards xiii

Interactive reports (Also accessible on the World Wide Web at **http://www.elsevier.nl/locate/bres** or **http://www.elsevier.com/locate/bres**)

Longitudinal gradients of KCNQ4 expression in spiral ganglion and cochlear hair cells correlate with progressive hearing loss in DFNA2
K.W. Beisel, N.C. Nelson, D.C. Delimont, B. Fritzsch (USA) 137

Photoreceptor regulated expression of Ca^{2+}/Calmodulin-dependent protein kinase II in the mouse retina
L.O. Liu, G. Li, M.A. McCall, N.G.F. Cooper (USA) 150

Research reports

Muscarinic receptor subtypes expression in rat and chick dorsal root ganglia
A.M. Tata, M.T. Vilaró, G. Mengod (Italy, Spain) 1

Identification of differentially expressed genes in the visual structures of brain using high-density cDNA grids
S.S. Prasad, L.Z. Kojic, S.-S. Lee, A. Chaudhuri, P. Hetherington, M.S. Cynader (Canada) 11

Neuropeptide amidation: cloning of a bifunctional α-amidating enzyme from *Aplysia*
X. Fan, S. Spijker, D.-B.G. Akalal, G.T. Nagle (USA, The Netherlands) 25

Structure, biological activity of the upstream regulatory sequence, and conserved domains of a middle molecular mass neurofilament gene of *Xenopus laevis*
J.R. Roosa, C. Gervasi, B.G. Szaro (USA) 35

Differential regulation of two *Period* genes in the *Xenopus* eye
M. Zhuang, Y. Wang, B.M. Steenhard, J.C. Besharse (USA) 52

Corticosteroids regulate 5-HT_{1A} but not 5-HT_{1B} receptor mRNA in rat hippocampus
J.F. Neumaier, T.J. Sexton, M.W. Hamblin, S.G. Beck (USA) 65

Cloning, localisation and functional expression of a novel human, cerebellum specific, two pore domain potassium channel
C.G. Chapman, H.J. Meadows, R.J. Godden, D.A. Campbell, M. Duckworth, R.E. Kelsell, P.R. Murdock, A.D. Randall, G.I. Rennie, I.S. Gloger (UK) 74

Co-localisation, heterophilic interactions and regulated expression of IgLON family proteins in the chick nervous system
A.P. Lodge, M.R. Howard, C.J. McNamee, D.J. Moss (UK) 84

Schizophrenia: elevated mRNA for calcium-calmodulin-dependent protein kinase IIβ in frontal cortex
G. Novak, P. Seeman, T. Tallerico (Canada) 95

Region-specific decline in the expression of metabotropic glutamate receptor 7 mRNA in rat brain during aging
A. Simonyi, L.A. Miller, G.Y. Sun (USA) 101

Protein kinase C iota protects neural cells against apoptosis induced by amyloid β-peptide
J. Xie, Q. Guo, H. Zhu, M.W. Wooten, M.P. Mattson (USA) 107

First localisation of somatostatin sst_4 receptor protein in selected human brain areas: an immunohistochemical study
I.-S. Selmer, M. Schindler, P.P.A. Humphrey, H.J. Waldvogel, R.L.M. Faull, P.C. Emson (UK, New Zealand) 114

(Contents continued inside)

0169-328X(20001020)82:1/2;1-Q

BRAIN RESEARCH
MOLECULAR BRAIN RESEARCH

VOL. 82 NOS. 1,2 **CONTENTS** **20 OCTOBER 2000**

Cited in Biological Abstracts (BIOSIS) – Chem. Abstracts – Index Medicus (MEDLINE) – Current Contents (Life Sci.) – EMBASE/Excerpta Medica – Psychological Abstracts (PsycINFO) – Pascal et Francis (INIST-CNRS) – RIS (Reference Update) – Elsevier BIOBASE/Current Awareness in Biological Sciences

Guidelines for the submission of manuscripts v

Themes and Topics ix

Announcements

Call for papers – Gene Expression Patterns xi

Electronic submission of all article types via the WWW now possible xii

Brain Research Interactive Young Investigator Awards xiii

Interactive reports (Also accessible on the World Wide Web at **http://www.elsevier.nl/locate/bres** or **http://www.elsevier.com/locate/bres**)

Longitudinal gradients of KCNQ4 expression in spiral ganglion and cochlear hair cells correlate with progressive hearing loss in DFNA2
K.W. Beisel, N.C. Nelson, D.C. Delimont, B. Fritzsch (USA) 137

Photoreceptor regulated expression of Ca^{2+}/Calmodulin-dependent protein kinase II in the mouse retina
L.O. Liu, G. Li, M.A. McCall, N.G.F. Cooper (USA) 150

Research reports

Muscarinic receptor subtypes expression in rat and chick dorsal root ganglia
A.M. Tata, M.T. Vilaró, G. Mengod (Italy, Spain) 1

Identification of differentially expressed genes in the visual structures of brain using high-density cDNA grids
S.S. Prasad, L.Z. Kojic, S.-S. Lee, A. Chaudhuri, P. Hetherington, M.S. Cynader (Canada) 11

Neuropeptide amidation: cloning of a bifunctional α-amidating enzyme from *Aplysia*
X. Fan, S. Spijker, D.-B.G. Akalal, G.T. Nagle (USA, The Netherlands) 25

Structure, biological activity of the upstream regulatory sequence, and conserved domains of a middle molecular mass neurofilament gene of *Xenopus laevis*
J.R. Roosa, C. Gervasi, B.G. Szaro (USA) 35

Differential regulation of two *Period* genes in the *Xenopus* eye
M. Zhuang, Y. Wang, B.M. Steenhard, J.C. Besharse (USA) 52

Corticosteroids regulate 5-HT_{1A} but not 5-HT_{1B} receptor mRNA in rat hippocampus
J.F. Neumaier, T.J. Sexton, M.W. Hamblin, S.G. Beck (USA) 65

Cloning, localisation and functional expression of a novel human, cerebellum specific, two pore domain potassium channel
C.G. Chapman, H.J. Meadows, R.J. Godden, D.A. Campbell, M. Duckworth, R.E. Kelsell, P.R. Murdock, A.D. Randall, G.I. Rennie, I.S. Gloger (UK) 74

Co-localisation, heterophilic interactions and regulated expression of IgLON family proteins in the chick nervous system
A.P. Lodge, M.R. Howard, C.J. McNamee, D.J. Moss (UK) 84

Schizophrenia: elevated mRNA for calcium-calmodulin-dependent protein kinase IIβ in frontal cortex
G. Novak, P. Seeman, T. Tallerico (Canada) 95

Region-specific decline in the expression of metabotropic glutamate receptor 7 mRNA in rat brain during aging
A. Simonyi, L.A. Miller, G.Y. Sun (USA) 101

Protein kinase C iota protects neural cells against apoptosis induced by amyloid β-peptide
J. Xie, Q. Guo, H. Zhu, M.W. Wooten, M.P. Mattson (USA) 107

First localisation of somatostatin sst_4 receptor protein in selected human brain areas: an immunohistochemical study
I.-S. Selmer, M. Schindler, P.P.A. Humphrey, H.J. Waldvogel, R.L.M. Faull, P.C. Emson (UK, New Zealand) 114

(Contents continued inside)

0169-328X(20001020)82:1/2;1-Q

(contents continued)

Thyroid hormone of maternal origin regulates the expression of RC3/neurogranin mRNA in the fetal rat brain
A.L.S. Dowling, R. Thomas Zoeller (USA) 126

Short communication

TH protein and mRNA in nigrostriatal dopaminergic neurons are down-regulated by continuous but not intermittent apomorphine
S.-i. Iwata, M. Nomoto, S. Kaseda, S. Tanoue, M. Shimosaka, T. Fukuda (Japan) 133

Author index 167

CONTENTS direct

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: **www.elsevier.nl/locate/contentsdirect**